

FORM PTO-1390 (Modified)  
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER

110.01270101

## TRANSMITTAL LETTER TO THE UNITED STATES

DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

09/937076

INTERNATIONAL APPLICATION NO.  
PCT/US00/07680INTERNATIONAL FILING DATE  
22 March 2000PRIORITY DATE CLAIMED  
22 March 1999

## TITLE OF INVENTION

## METHODS OF USE OF BETA1-INTEGRIN INHIBITORS

## APPLICANT(S) FOR DO/EO/US

James B. McCarthy, William J. Mileski, Gordon A. Jamieson, Jr., Walter C. Low, Ronald J. Sawchuk, and Leo T. Furcht

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4.  The US has been elected by the expiration of 19 months from the priority date (Article 31).
5.  A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a.  is attached hereto (required only if not communicated by the International Bureau).
  - b.  has been communicated by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US).
6.  An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is attached hereto.
  - b.  has been previously submitted under 35 U.S.C. 154(d)(4).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a.  are attached hereto (required only if not communicated by the International Bureau).
  - b.  have been communicated by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10.  An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11.  A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12.  A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15.  A **FIRST** preliminary amendment.
16.  A **SECOND** or **SUBSEQUENT** preliminary amendment.
17.  A substitute specification.
18.  A change of power of attorney and/or address letter.
19.  A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20.  A second copy of the published international application under 35 U.S.C. 154(d)(4).
21.  A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22.  Certificate of Mailing by Express Mail
23.  Other items or information:

Formal Drawings (16 sheets)

U.S. APPLICATION NO. (IF KNOWN, SEE PCT)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
<b>09/937076</b>	PCT/US00/07680	<b>110.01270101</b>

24. The following fees are submitted:

**BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :**

<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....	\$1000.00
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO .....	\$860.00
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO .....	\$710.00
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) .....	\$690.00
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) .....	\$100.00

**ENTER APPROPRIATE BASIC FEE AMOUNT =**

**\$860.00**

Surcharge of **\$130.00** for furnishing the oath or declaration later than  
months from the earliest claimed priority date (37 CFR 1.492 (e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	40 - 20 =	20	x \$18.00	<b>\$360.00</b>
Independent claims	9 - 3 =	6	x \$80.00	<b>\$480.00</b>
Multiple Dependent Claims (check if applicable).			□	<b>\$0.00</b>

**TOTAL OF ABOVE CALCULATIONS =**

**\$1,830.00**

Applicant claims small entity status. (See 37 CFR 1.27). The fees indicated above are reduced by 1/2.

**\$915.00**

**SUBTOTAL =**

**\$915.00**

Processing fee of **\$130.00** for furnishing the English translation later than  
months from the earliest claimed priority date (37 CFR 1.492 (f)).

+	\$0.00	
<b>TOTAL NATIONAL FEE =</b>	<b>\$915.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable).	□	<b>\$0.00</b>
<b>TOTAL FEES ENCLOSED =</b>	<b>\$915.00</b>	

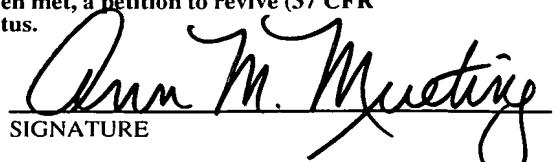
Amount to be: refunded	\$
charged	\$

- a.  A check in the amount of **\$915.00** to cover the above fees is enclosed.
- b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.
- c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **13-4895** A duplicate copy of this sheet is enclosed.
- d.  Fees are to be charged to a credit card. **WARNING: Information on this form may become public. Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Ann M. Muetting  
Muetting, Raasch & Gebhardt, P.A.  
P.O. Box 581415  
Minneapolis, Minnesota 55458-1415  
United States of America

  
SIGNATURE

Ann M. Muetting

NAME

33,977

REGISTRATION NUMBER

19 September 2001

DATE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

1005 2 1 2000  
Applicant(s): James B. McCarthy, et al.

Docket No.: 110.01270101

Title: METHODS OF USE OF  $\beta 1$ -INTEGRIN INHIBITORS

BOX PCT

Assistant Commissioner for Patents  
Washington, D.C. 20231

We are transmitting the following documents along with this Transmittal Sheet (which is submitted in triplicate):

- Transmittal Letter to the United States DO/EO/US Concerning a Filing Under 35 U.S.C. 371 (Form PTO-1390, 2 signed copies, 2 pgs each).
- Formal Drawings (18 Figs on 16 sheets) and Communication re. Submission of Formal Drawings Under 37 CFR 1.85 (1 pg).
  - A signed/unsigned Declaration and Power of Attorney ( \_\_\_ pgs).
  - Application Data Sheet ( \_\_\_ pgs).
- An itemized return postcard.
- An Assignment of the invention to \_\_\_ and Recordation Form Cover Sheet.
- A check in the amount of \$40.00 to pay the Assignment Recording Fee.
- A Preliminary Amendment (3 pgs total, including Appendix A (1 pg)).
- Computer readable form of "Sequence Listing." Applicants state that the paper copy form of the "Sequence Listing" section of the present application, and the computer readable form submitted herewith, are the same.
- Other: Copy of International Preliminary Examination Report; Copy of International Search Report.
- A check in the amount of \$915.00 to pay the filing fee.

Small Entity Status is entitled to be asserted in the above-identified application.

Please consider this a PETITION FOR EXTENSION OF TIME for a sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 13-4895. Triplicate copies of this sheet are enclosed.

MUETING, RAASCH & GEBHARDT, P.A.

Customer Number: 26813

By: Ann M. Mueting  
Name: Ann M. Mueting  
Reg. No.: 33,977  
Direct Dial: 612-305-1217  
Facsimile: 612-305-1228

CERTIFICATE UNDER 37 CFR §1.10:

"Express Mail" mailing label number: EL 888271988 US

Date of Deposit: 19 September 2001

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to "BOX PCT, Assistant Commissioner for Patents, Washington, D.C. 20231."

By: MARC IRELAND  
Name: MARC IRELAND

(SMALL ENTITY TRANSMITTAL UNDER RULE 1.10)

PATENT  
Attorney Docket No. 110.01270101

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): James B. McCarthy, et al. )  
  )  
Serial No.: Unknown                         )  
  )  
Filed: Concurrently Herewith             )  
  )  
For: METHODS OF USE OF  $\beta$ 1-INTEGRIN INHIBITORS

SUBMISSION OF FORMAL DRAWINGS  
UNDER 37 C.F.R. §1.85

**BOX PCT**

Assistant Commissioner for Patents  
Washington D.C. 20231

Attached please find sixteen (16) sheets of formal drawings for the above-identified patent application. Please contact the undersigned attorney if you have any questions.

Respectfully submitted,  
JAMES B. McCARTHY, ET AL.  
By their Representatives,  
Mueting, Raasch & Gebhardt, P.A.  
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Date of Deposit: 19 September 2001  
Express Mail label number: EL 888271988 US

I hereby certify that this paper and/or fee is/are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to "BOX PCT, Assistant Commissioner for Patents, Washington, D. C. 20231."

Name: MARC IRELAND  
MARC IRELAND